

### IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF:

Franklin D. LOMAX, JR.

: EXAMINER: SPITZER, R.

SERIAL NO: 10/720,517

: DATE ALLOWED: August 11, 2004

FILED: November 25, 2003

: GROUP ART UNIT: 1724

FOR: HIGH RECOVERY PSA

CYCLES AND APPARATUS

WITH REDUCED **COMPLEXITY** 

### PETITION UNDER 37 C.F.R. § 1.181

COMMISSIONER FOR PATENTS **ALEXANDRIA, VA 22313-1450** 

SIR:

37 C.F.R. § 1.181(a)(3) allows petition to invoke the supervisory authority of the Commissioner in appropriate circumstances.

The Applicant respectfully petitions in accordance with 37 C.F.R. § 1.181(a)(3) to compel consideration by the Examiner of the document cited in the Information Disclosure Statement (IDS) filed on May 26, 2004, re-signed copies of which are attached as well as a date-stamped filing receipt.

The Applicant has not received any document from the U.S. Patent & Trademark Office indicating that the IDS dated May 26, 2004, was received and/or considered. Accordingly, the Applicant requests a copy of the IDS filed on May 26, 2004, that is signed and dated by the Examiner as being considered as required under MPEP 609 III. C. 2., in order to clarify that the reference cited in the IDS has been considered and made of record.

Application Serial No.: 10/720,517

Franklin D. LOMAX, JR.

It is respectfully requested that this Petition under 37 C.F.R. § 1.181 be granted and the Examiner compelled to provide the Applicant with a signed and dated copy of the IDS filed on May 26, 2004.

Respectfully Submitted,

OBLON, SPIVAK, McCLELLAND,

MAIER & NEUSTADT, P.C.

J. Derek Mason

Registration No. 35,270

Attorney of Record

Christopher D. Ward Registration No. 41,367

**Customer Number** 

22850

Tel. (703) 413-3000 Fax. (703) 413-2220 (OSMMN 10/01)

JDM:CDW:brf

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Docker No.:

o.: 244508US23 CONT

COMMISSIONER FOR PATENTS ALEXANDRIA, VIRGINIA 22313

RE: Application Serial No.: 10/720,517

Applicants: Franklin D. LOMAX, JR.

Filing Date: November 25, 2003

For: HIGH RECOVERY PSA CYCLES AND

APPARATUS WITH REDUCED

**COMPLEXITY** 

Group Art Unit: 1724

Date Allowed: August 11, 2004

Examiner: SPITZER, R.

SIR:

Attached hereto for filing are the following papers:

PETITION UNDER 37 C.F.R. § 1.181
Filing Receipt date-stamped 5/26/04 (Copy)
Information Disclosure Statement (Copy)
PTO-1449 (Copy)
International Search Report (Copy)

Our check in the amount of \$0.00 is attached covering any required fees. In the event any variance exists between the amount enclosed and the Patent Office charges for filing the above-noted documents, including any fees required under 37 C.F.R 1.136 for any necessary Extension of Time to make the filing of the attached documents timely, please charge or credit the difference to our Deposit Account No. 15-0030. Further, if these papers are not considered timely filed, then a petition is hereby made under 37 C.F.R. 1.136 for the necessary extension of time. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,

MAIER & NEUSTADT, P.C.

J. Derek Mason

Registration No. 35,270

Customer Number

22850

(703) 413-3000 (phone) (703) 413-2220 (fax) Christopher D. Ward Registration No. 41,367

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OSMM&N File No. <u>244508US23 CONT</u>

Dept.: E/M

By: JDM/CDW/brf

Serial No. 10/720,517

In the matter of the Application of: Franklin D. LOMAX, JR.

For: HIGH RECOVERY PSA CYCLES AND APPARATUS WITH REDUCED COMPLEXITY

· Due Date: N/A

The following has been received in the U.S. Patent Office on the date stamped hereon

· Information Disclosure Statement

■ PTO-1449

■ International Search Report



Docket No.

244508US23 CONT

## IN THE UNITED STAFFSPATENT AND TRADEMARK OF

IN RE APPLICATION OF:

Franklin D. LOMAX, JR.

SERIAL NO: 10/720,517

GAU:

1724

FILED:

November 25, 2003

EXAMINER: SPITZER, R.

FOR:

HIGH RECOVERY PSA CYCLES AND APPARATUS WITH REDUCED COMPLEXITY

### INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS ALEXANDRIA, VIRGINIA 22313

Applicant(s) wish to disclose the following information.

#### REFERENCES

- The Applicant wishes to make of record the attached International Search Report. The references cited in the International Search Report were previously submitted on November 25, 2003.
- A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

#### RELATED CASES

- Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

#### CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- □ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,

MAIER & NEUSTADT, P.C.

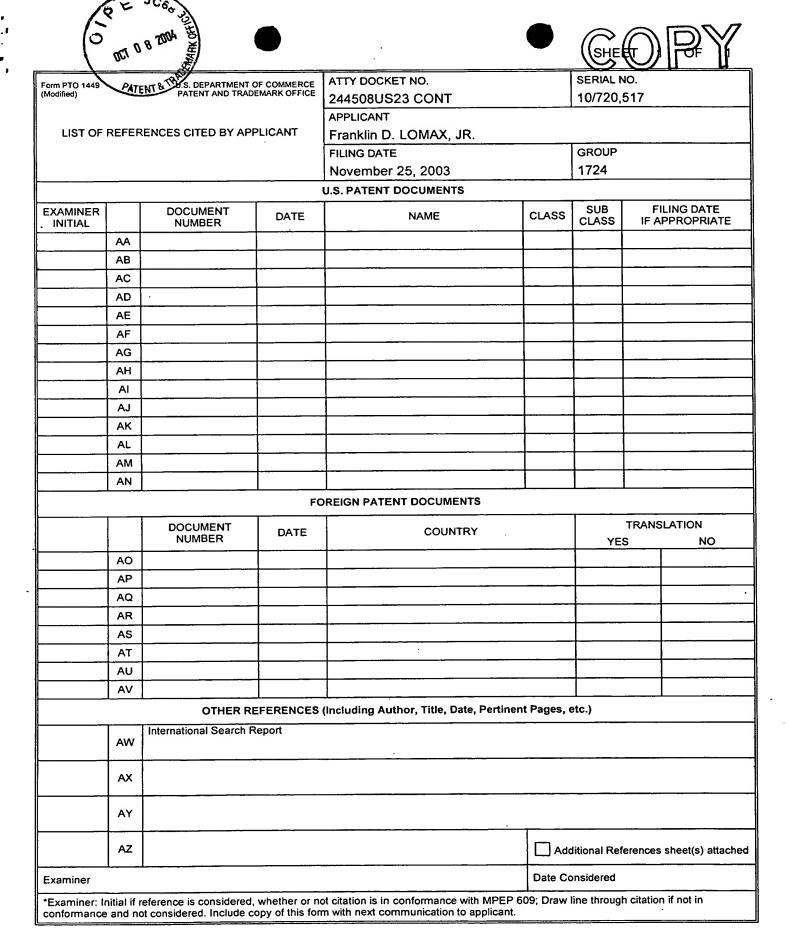
J. Derek Mason

Registration No. 35,270

Customer Number

Tel. (703) 413-3000 Fax. (703) 413-2220 (OSMMN 05/03)

Christopher D. Ward Registration No. 41,367



H2GEN INNOVATIONS, INC.

Chem

PATENT COOP	RATION TREATY OF THE MICHELLAND	
From the INTERNATIONAL SEARCHING AUTHORITY	MAIER & NEUSTADY, FC. MOCHETING DEPT Inividis/Date Docketed:	
To: DEREK J. MASON OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,	Type in R sy 3).  Due Date(s):	
PC 1940 DUKE STREET ALEXANDRIA, VA 22314	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION  (PCT Rule 44.1)	
	Date of Mailing (day/month/year) 05 FEB 2004	
Applicant's or agent's file reference 226903WO 3Z	FOR FURTHER ACTION See paragraphs 1 and 4 below	
'International application No. PCT/US03/29122	International filing date (day/month/year)  10 October 2003 (10.10.2003)	
Applicant	RECEIVED IN EAN	

L		
1.	$\boxtimes$	The applicant is hereby notified that the international search report has been established and is transmitted herewith.
		Filing of amendments and statement under Article 19:  The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):
		When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report.
		Where? Directly to the International Bureau of WIPO, 34, chemin des Colombettes 1211 Geneva 20, Switzerland, Facsimile No.: (41-22) 740.14.35
		For more detailed instructions, see the notes on the accompanying sheet.  1211 Geneva 20, Switzerland, Facsimile No.: (41-22) 740.14.35  For more detailed instructions, see the notes on the accompanying sheet.
2.		The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.
3.		With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:
		the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.
		no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.
4.	Remi	inders

Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90 bis.1 and 90 bis.3, respectively, before the completion of the technical preparations for international publication.

Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.

In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months.

See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the PCT Applicant's Guide, Volume II, National Chapters and the WIPO Internet site.

Name and mailing address of the ISA/US Mail Stop PCT, Atm: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Authorized officer

Marian Knode

Telephone No. 703-308-0661

MECEIVED IN CHEM

(See notes on accompanying sheet)

Facsimile No. (703)305-3230 Form PCT/ISA/220 (April 2002)

# PATENT COOPERATION TREATY

# **PCT**

# INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference •226903WO	FOR FURTHER ACTION	Report (Fo	ation of Transmittal of International Search rm PCT/ISA/220) as well as, where applicable, bw.
International application No. , PCT/US03/29122	International filing date (day/mont 10 October 2003 (10.10.2003)	h/year)	(Earliest) Priority Date (day/month/year) 11 October 2002 (11.10.2002)
Applicant H2GEN INNOVATIONS, INC.			
according to Article 18. A copy is being	g transmitted to the international 1	arching Au Bureau.	nthority and is transmitted to the applicant
	of a total of sheets.  I by a copy of each prior art documents.	ment cited	in this report.
l which it was filed	unless otherwise indicated under t	ms item.	basis of the international application in the
the international search was Authority (Rule 23.1(b)). b. With regard to any nucleotide search was carried out on the	e and/or amino acid sequence discibasis of the sequence listing:	ation of the	international application furnished to this international application, the international
contained in the internation	al application in written form. national application in computer rea	adable form	 1.
furnished subsequently to the	his Authority in written form.		
the statement that the subse	filed has been furnished.	listing doe	s not go beyond the disclosure in the
the statement that the information been furnished.	mation recorded in computer readat	ole form is	identical to the written sequence listing has
2. Certain claims were found	d unsearchable (See Box I).		
3. Unity of invention is lacki 4. With regard to the title,	ng (See Box II).	*	
4. With regard to the title,	nitted by the applicant.		
the text has been establishe	d by this Authority to read as follow	ws:	·
5. With regard to the abstract,			
the text is approved as subj	mitted by the applicant.		The applicant may
within one month from the	date of mailing of this international	i search re	ry as it appears in Box III. The applicant may, port, submit comments to this Authority.
6. The figure of the drawings to be pu	iblished with the abstract is Figure	No. <u>2</u>	Name of the figures
as suggested by the applica	int.		None of the figures
because the applicant failed			
because this figure better c	haracterizes the invention.		

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/29122

	THE ATTENDED OF STREET MATTER		
	SIFICATION OF SUBJECT MATTER : B01D 53/02		
IPC(7) US CL	27:06		*
According to I	: 95/96 nternational Patent Classification (IPC) or to both natio	nal classification and IPC	
R FIELD	S SEARCHED		
Minimum docu	umentation searched (classification system followed by	classification symbols)	
11.S.: 95/	/96, 97, 98, 100-105, 130; 96/130, 143, 144		i.
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	n searched other than minimum documentation to the ex	tent that such documents are include	d in the fields searched
Documentation	n searched outer than miniminant documentation to the		
		s land and subora practicable	search terms used)
Electronic data	a base consulted during the international search (name	of data base and, where practicable,	caren terms assay
			·
C. DOCL	IMENTS CONSIDERED TO BE RELEVANT	6.1	Relevant to claim No.
Category *	Citation of document, with indication, where app	propriate, of the relevant passages	1,2,9-15,20,21,27-39
X	US 3,636,679 A (BATTA) 25 January 1972, see entir	e document	
			3,4,22
Y		,	
v	US 4,371,380 A (BENKMANN) 01 February 1983, s	ee entire document	1,9-15,27-39
X			1,5,7,9-20,23,27-47
x	US 4,498,910 A (BENKMANN) 12 February 1985,	see entire document	1,5,7,5-20,25,27-47
	'-		6,8,24-26,48-50
Y			
	US 4,781,735 A (TAGAWA ET AL) 01 November 1	988, see entire document	1,9-15,20,27-39
X			1 0 15 20 27 30
x	US 5,248,322 A (KUMAR) 28 September 1993, see	entire document	1,9-15,20,27-39
			1,5,7,9-20,23,27-47
x	US 5,258,059 A (YAMAGUCHI ET AL) 02 Novem	Der 1993, see entre document	
			6,8,24-26,48-50
Y			,
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Further	r documents are listed in the continuation of Box C.	See patent family annex.	
Futuci	Special categories of cited documents:	"T" later document published after t	he international filing date or priority application but cited to understand the
		principle or theory underlying t	he invention
"A" documen	nt defining the general state of the art which is not considered to be ular relevance	"X" document of particular relevant	e; the claimed invention cannot be
	pplication or patent published on or after the international filing date	considered novel or cannot be of when the document is taken alo	considered to involve an inventive step
"L" documen	nt which may throw doubts on priority claim(s) or which is cited to the publication date of another citation or other special reason (as	neridand to involve an invent	ce; the claimed invention cannot be ive step when the document is
specified	3)	combined with one or more of	er such documents, such combination
"O" documer	nt referring to an oral disclosure, use, exhibition or other means	being obvious to a person skill	
	nt published prior to the international filing date but later than the	"&" document member of the same	patent family
priority	date claimed	- C 11: Saha internationa	l cearch report
Date of the a	actual completion of the international search	Date of mailing-of-the-international	1 sourch report
1			
20 January 2	2004 (20.01.2004) nailing address of the ISA/US	Authorized officer	The state of the s
M:	ail Stop PCT, Attn: ISA/US	Marian Knode	in the Man
l Co	ommissioner for Patents		$\mathcal{A}_{j}$
P.(	O. Box 1450 exandria, Virginia 22313-1450	Telephone No. 703-308-0661	
Engrimile N	o (703)305-3230		

PCT/US03/29122

# INTERNATIONAL SEARCH REPORT

C	tegory *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
·	X	US 5,964,924 A (ENGLER ET AL) 12 October 1999, see entire document	1,5,7,9-20,23,27-47 	
•	Y X	US 6,017,382 A (JI ET AL) 25 January 2000, see entire document		
	Y	US 4,234,322 A (DEMEYER ET AL) 18 November 1980, see entire document		
	Х  Y	US 4,234,322 A (DEMETER ET AL) TO NOVEMBER 1900, our same		
	Y	US 6,447,582 A (DE SOUZA) 10 September 2002, see entire document	3,4,22,6,8,24-26,48- 50	
			<u> </u> 	